



Globally Proven
Construction Solutions

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Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): SPECTRALOCK® PRO Premium Grout Part B

CHEMICAL FAMILY: Epoxy Resin

MANUFACTURER'S/ DISTRIBUTOR'S NAME: LATICRETE South East Asia Pte Ltd
38 Sungei Kadut,
Street 2 (Level2 A3),
Singapore 729245.

Phone number for additional information: (65) 6515 3028

Date prepared or revised: 23/02/2024

2. HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS NUMBER	PERCENT*
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	45-52
Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	10-17
Alkyl (C12-14) glycidyl ether	68609-97-2	7-14
Petroleum distillates, hydrotreated light	64742-47-8	0.1-1
Polyethylene glycol	25322-68-3	<=0.039
Potassium hydroxide	1310-58-3	0.0225

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

3. HEALTH HAZARD INFORMATION

GHS-US/CA Classification:

Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317



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Aquatic Acute 2 H401

Aquatic Chronic 2 H411

Full text of hazard classes and H-statements : see section 16



Signal Word : Warning

Hazard Statements :
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H401 - Toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements :

P261 - Avoid breathing vapors, mist, or spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.



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Other hazards: Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

4. FIRST AID: EMERGENCY PROCEDURES

Description of First-aid Measures

- General : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- Inhalation : When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
- Skin Contact : Remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.
- Eye Contact : Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
- Ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

- General : Skin sensitization. Causes skin irritation. Causes serious eye irritation.
- Inhalation : Prolonged exposure may cause irritation.
- Skin Contact : May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.
- Eye Contact : Contact causes severe irritation with redness and swelling of the conjunctiva.
- Ingestion : Ingestion may cause adverse effects.
- Chronic Symptoms : None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

5. FIRE FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media : Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.
- Unsuitable Extinguishing Media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.



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Special Hazards Arising from the Substance or Mixture

Fire Hazard : Not considered flammable but may burn at high temperatures.

Explosion Hazard : Product is not explosive.

Reactivity : Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire : Exercise caution when fighting any chemical fire.

Firefighting Instructions : Use water spray or fog for cooling exposed containers.

Protection During Firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products : Carbon oxides (CO, CO₂). Nitrogen oxides. Sulfur oxides. Phenolic compounds.

Other Information : Do not allow run-off from fire fighting to enter drains or water courses.

Reference to Other Sections

Refer to Section 9 for flammability properties.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures : Avoid breathing (vapor, mist, spray). Do not get in eyes, on skin, or on clothing. Avoid all contact with skin, eyes, or clothing.

For Non-Emergency Personnel

Protective Equipment : Use appropriate personal protective equipment (PPE).

Emergency Procedures : Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment : Equip cleanup crew with proper protection.

Emergency Procedures : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.



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Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

Methods and Materials for Containment and Cleaning Up

For Containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up : Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Precautions for Safe Handling

: Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray.

Hygiene Measures

: Handle in accordance with good industrial hygiene safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures

: Comply with applicable regulations.

Storage Conditions

: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials

: Strong acids, strong bases, strong oxidizers.

Specific End Use(s)

Grout.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters



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For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Petroleum distillates, hydrotreated light (64742-47-8)		
British Columbia	OEL TWA (mg/m ³)	200 mg/m ³ (application restricted to conditions in which
Potassium hydroxide (1310-58-3)		
USA ACGIH	Ceiling (mg/m ³)	2 mg/m ³
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	2 mg/m ³
Alberta	OEL Ceiling (mg/m ³)	2 mg/m ³
British Columbia	OEL Ceiling (mg/m ³)	2 mg/m ³
Manitoba	OEL Ceiling (mg/m ³)	2 mg/m ³
New Brunswick	OEL Ceiling (mg/m ³)	2 mg/m ³
Newfoundland & Labrador	OEL Ceiling (mg/m ³)	2 mg/m ³
Nova Scotia	OEL Ceiling (mg/m ³)	2 mg/m ³
Nunavut	OEL Ceiling (mg/m ³)	2 mg/m ³
Northwest Territories	OEL Ceiling (mg/m ³)	2 mg/m ³
Ontario	OEL Ceiling (mg/m ³)	2 mg/m ³
Prince Edward Island	OEL Ceiling (mg/m ³)	2 mg/m ³
Québec	PLAFOND (mg/m ³)	2 mg/m ³
Saskatchewan	OEL Ceiling (mg/m ³)	2 mg/m ³
Yukon	OEL Ceiling (mg/m ³)	2 mg/m ³
Polyethylene glycol (25322-68-3)		
USA AIHA	WEEL TWA	10 mg/m ³ (molecular weight>200-aerosol)

Appropriate Engineering Controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment : Gloves. Protective clothing. Protective goggles.

Materials for Protective Clothing : Chemically resistant materials and fabrics.



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Hand Protection	: Wear protective gloves.
Eye and Face Protection	: Chemical safety goggles.
Skin and Body Protection	: Wear suitable protective clothing.
Respiratory Protection	: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Other Information	: When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Appearance	: White
Odor	: Ammonia
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: 0 °C (32 °F)
Freezing Point	: Not available
Boiling Point	: 100 °C (212 °F)
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not applicable



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Lower Flammable Limit : Not available

Upper Flammable Limit : Not available

Vapor Pressure : Not available

Relative Vapor Density at 20°C : Not available

Relative Density : Not available

Specific Gravity : 1.09

Solubility : Water: Soluble

Partition Coefficient: N-Octanol/Water : Not available

Viscosity : Not available

10. STABILITY AND REACTIVITY

Reactivity : Hazardous reactions will not occur under normal conditions.

Chemical Stability : Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions : Hazardous polymerization will not occur.

Conditions to Avoid : Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible Materials : Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products : Not expected to decompose under ambient conditions.

11. TOXICOLOGY INFORMATION

Information on Toxicological Effects – Product

Acute Toxicity (Oral) : Not classified

Acute Toxicity (Dermal) : Not classified

Acute Toxicity (Inhalation) : Not classified



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LD50 and LC50 Data	: Not available
Skin Corrosion/Irritation	: Causes severe irritation.
Eye Damage/Irritation	: Causes serious eye damage.
Respiratory or Skin Sensitization	: May cause an allergic skin reaction.
Germ Cell Mutagenicity	: Not classified
Carcinogenicity	: Not classified
Specific Target Organ Toxicity (Repeated Exposure)	: Not classified
Reproductive Toxicity	: Not classified.
Specific Target Organ Toxicity (Single Exposure)	: Not classified
Aspiration Hazard	: Not classified
Symptoms/Injuries After Inhalation	: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact	: May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact	: Contact causes severe irritation with redness and swelling of the conjunctiva.
Symptoms/Injuries After Ingestion	: Ingestion may cause adverse effects.
Chronic Symptoms	: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Petroleum distillates, hydrotreated light (64742-47-8)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 5.3 mg/l/4h



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Potassium hydroxide (1310-58-3)	
LD50 Oral Rat	284 mg/kg
Polyethylene glycol (25322-68-3)	
LD50 Oral Rat	22 g/kg
LD50 Dermal Rabbit	> 20 g/kg
Alkyl (C12-14) glycidyl ether (68609-97-2)	
LD50 Oral Rat	17100 mg/kg
LD50 Dermal Rabbit	> 3987 mg/kg
Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)	
LD50 Oral Rat	> 2 g/kg

12. ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Toxic to aquatic life with long lasting effects.

Petroleum distillates, hydrotreated light (64742-47-8)	
LC50 Fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 Fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)	
LOEC (Acute)	0.3 mg/l Daphnia magna
NOEC Chronic Crustacea	0.3 mg/l Daphnia magna

Persistence and Degradability

SPECTRALOCK® PRO Premium Grout Part B	
Persistence and Degradability	May cause long-term adverse effects in the environment.

Bioaccumulative Potential

SPECTRALOCK® PRO Premium Grout Part B	
Bioaccumulative Potential	Not established.
Petroleum distillates, hydrotreated light (64742-47-8)	
BCF Fish 1	61-159
Potassium hydroxide (1310-58-3)	
Log Kow	0.65



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Mobility in Soil : Not available

Other Adverse Effects

Other Information : Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Recommendations : Dispose of contents/container in accordance with local, regional, national, and international regulations

Additional Information : Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials : Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer; Formaldehyde, polymer with (chloromethyl)oxirane and phenol)

Hazard Class : 9

Identification Number : UN3082

Label Codes : 9

Packing Group : III

Marine Pollutant : Marine pollutant

ERG Number : 171

IATA

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer; Formaldehyde, polymer with (chloromethyl)oxirane and phenol)

Hazard Class : 9

Identification Number : UN3082

Label Codes : 9

Packing Group : III

ERG Code (IATA) : 9L



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IMDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer; Formaldehyde, polymer with (chloromethyl)oxirane and phenol)

Hazard Class : 9

Identification Number : UN3082

Label Codes : 9

Packing Group : III

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

Marine pollutant : Marine pollutant

TDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer; Formaldehyde, polymer with (chloromethyl)oxirane and phenol)

Hazard Class : 9

Identification Number : UN3082

Label Codes : 9

Packing Group : III

Marine Pollutant (TDG) : Marine pollutant

15. REGULATORY INFORMATION

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

16. OTHER INFORMATION

This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.